

Installation & Cleaning

Safety Underfoot



Prefabricated, SAFEGUARD® Covers are not load bearing. They are sold for installation over existing surfaces including Steel or Aluminum Plate, Diamond/Checkerplate, Grating, Wood, Tile and Concrete.

Mechanical Fasteners. Using Saddle Clip Assemblies, Self-Tapping Screws, Self-Drilling (Tek) Screws, Masonry Fasteners, or Rivets.

1. Position the Safety Cover. Note any impediments to the fasteners in the substrate that will require adjustments to their position.
2. Drill appropriately positioned holes in the back of the Safety Cover. Holes must be drilled from the REAR and be at least 1/2" from the edge. The holes should be somewhat larger than the barrel of the screw to allow for any significant difference between the coefficient of expansion of the Cover and that of the substrate.

For Example: #8 x 1" Screw Use 7/32" diameter drill bit
 #10 x 1-1/2" Screw Use 9/32" diameter drill bit
 1/4" Bolt Use 3/8" diameter drill bit

TiAIN (titanium aluminum nitride) drill bits are recommended especially for stainless steel. Alternatively, solid carbide drills designed specifically for stainless applications could be used. All fasteners should feature low profile heads, such as Truss Heads supplied by Safeguard.

3. Drill holes in the substrate corresponding to those drilled in the Safety Covers.

For Self-Drilling (Tek) Screws. Each screw works like a drill to create its own hole, then it taps a thread and fastens the Covers, all in one operation. Use a standard power driver. Position the Safety Cover and drill from the top through the Safety Cover and into the substrate.

Adhesives. Use a quality adhesive, such as Sikaflex 252, Sikaflex 221, or Sikadur 31 Hi-Mod Gel. These products and data sheets are available from Safeguard Technology.

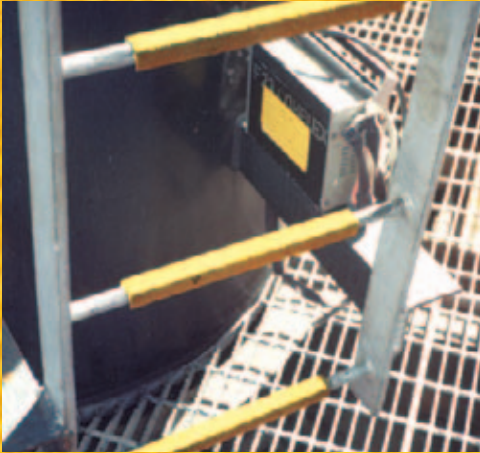
1. Prepare surfaces. All surfaces to be fastened with the adhesive must be clean, dry and dust-free. Any coating over which SAFEGUARD® Covers are to be installed should be firmly bonded to the surface. If not, it should be removed. If the coating is firmly bonded, it should be lightly abraded, using a Scotch-Brite pad (or similar type) until the surface shine is dulled. The contact points for adhesive on the underside (back) of our pultruded FRP (fiberglass) Covers should also be sanded lightly.
2. Apply the adhesive to the steel or FRP back of the SAFEGUARD® Cover, around the perimeter, approximately 1" in from the edge. For larger Covers, apply adhesive, in the shape of an "X", from corner to corner. Position the Safety Cover, adhesive-side-down, and firmly press in place. The gritted, or non-slip surface, will be uppermost. Allow 24 hours for the adhesive to cure.

CAUTION:

Adhesive is difficult to remove from the rough, gritted surface of SAFEGUARD® Covers.

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Tack-Welding. Use the appropriate welding method for steel Safety Covers with bare edges.

Pressure-Sensitive Adhesive.

1. To install SAFEGUARD® Flexible PVC Walkway Covers, they should be at least 50°F or 10°C before installation. Your surface should be thoroughly cleaned, dry and dust free before applying the Vinyl Covers.
2. The Cover should be manufactured to your exact specifications. If trimming is necessary, use a utility knife and cut from the BACK (non-gritted) side.
3. Simply peel back the release liner and firmly press the Cover in place.

CAUTION:

Once the vinyl sheet is adhered to the substrate, it is very difficult to adjust.



Cleaning. Regular cleaning will keep Covers free of debris and looking new. Most household or industrial methods can be used. Detergents and mild degreasers work well. For stubborn deposits, use a stiff bristle brush. High pressure heated water (660 psi, as used in food processing plants) may be used in industrial environments.

CAUTION:

Do not use mops. The gritted surface will catch and retain fibers. Solvents are not generally recommended. If necessary, mild solvents may be used provided they are diluted and immediately hosed off with water.

Snow and Ice Removal.

1. Brooms will remove loose snow.
2. Plastic shovels are suitable for top layers of heavy snow accumulation.
Do not use metal shovels, scrapers and wire brushes.
3. Use salt, calcium chloride or other melting agents on compacted snow and ice.



Top Coat. If you choose to apply a top coat paint to revitalize the color after years of wear, only apply a thin coating of alkyd silicone enamel. A heavy application will diminish the effectiveness of the grit surface, and reduce coefficient of friction values.